

**ABSTRACT OF THE DISCLOSURE**

A process is disclosed for providing a flow of particulate matter such as a catalyst to a reactor, comprising intermittently adding said particulate matter and a diluent to a mixing tank, and continuously withdrawing a slurry of particulate matter in diluent from the mixing tank for introduction into the reactor, wherein prior to each addition of particulate matter and diluent to the mixing tank, the concentration of particulate matter in the diluent already in the mixing tank is measured or calculated, and the amount of particulate matter and diluent subsequently added is measured so as to achieve the same concentration at the end of the addition as that measured or calculated prior to the addition. Preferably measurement of the amount of particulate matter and diluent added to the mixing tank is carried out before any diluent is added to the particulate matter.